

Name _____

Getting it Right Part 3

Launch:

1. Select two different numbers between 1 and 8.
2. Using your dot paper, draw a right triangle that uses these two numbers as the length of the legs. Your triangle should be near the center of the page, leaving plenty of space around it.
3. Carefully draw three squares that share a side with each side of the right triangle. How can you tell that they are squares?
4. Suppose the squares are made of chocolate and you are offered the choice of
 - a) the large square
 - b) the two smaller squares.

OR

Which choice would give you the MOST chocolate? Justify your answer.

Explore:

Using the same triangle/square set up as above, work with your group to develop and test a conjecture about right triangles. State your conjecture clearly and organize your work so that it communicates your process to others.

Does your conjecture work with all right triangles? How do you know?